Active Recombinant Human TXLNA Protein, His-tagged

Cat. No. TXLNA-3696H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human TXLNA Protein(328-531 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	328-531 aa
Form	20mM Tris, 150mM NaCl, pH8.0, containing 0.05% sarcosyl and 5% trehalose
Bio-activity	Taxilin Alpha (TXLNa) also known as interleukin-14 (IL-14) is a cytokine that controls the growth and proliferation of both normal and cancerous B cells. TXLNa induces B-cell proliferation, inhibits antibody secretion, and expands selected B-cell subgroups. This interleukin is produced mainly by T cells and certain malignant B cells. Besides, Protein Disulfide Isomerase A3 (PDIA3) has been identified as an interactor of TXLNa, thus a binding ELISA assay was conducted to detect the interaction of recombinant human TXLNa and recombinant human PDIA3. Briefly, TXLNa were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100uL were then transferred to PDIA3-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-TXLNa pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µ stop solution to the wells and

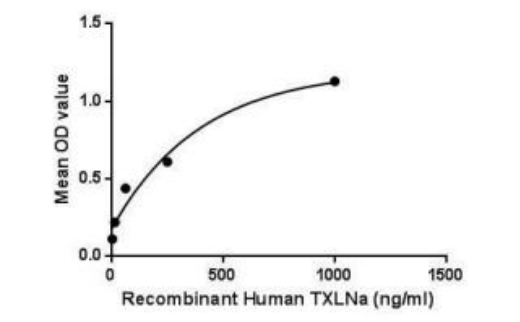
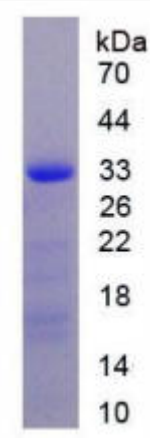
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	read at 450nm immediately. The binding activity of TXLNa and PDIA3 was shown, and this effect was in a dose dependent manner.
Molecular Mass	27.4kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method).
Purity	>98%
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month, at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	TXLNA taxilin alpha [Homo sapiens]
Official Symbol	TXLNA
Synonyms	TXLNA; taxilin alpha; alpha-taxilin; DKFZp451J0118; interleukin 14; IL14; TXLN; RP4-622L5.4; MGC118870; MGC118871;
Gene ID	200081
mRNA Refseq	NM_175852
Protein Refseq	NP_787048
MIM	608676

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UniProt ID	P40222
Activity	
SDS-PAGE	

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